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JUN 13 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**APPLICANT:** Alex Nugent

**SERIAL NO.:** 10/748,546

**FILED:** 12/30/2003

**TITLE:** PHYSICAL NEURAL NETWORK LIQUID STATE MACHINE  
UTILIZING NANOTECHNOLOGY

**EXAMINER:** Michael J. Caldwell

**GROUP:** 2129

**ATTY DKT NO.:** 1000-1215

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**CERTIFICATE OF TRANSMISSION BY FACSIMILE**

**Please forward all correspondence to:**

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I hereby certify that this correspondence is being transmitted to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 by facsimile transmission to the following fax number (571) 273-8300 on June 13, 2006.



Kermit Lopez

Mail Stop Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENTS, REPLY AND REQUEST FOR RECONSIDERATION**  
**UNDER 37 C.F.R. § 1.111**

Dear Sir:

In response to the Office Action dated April 24, 2006 in the above captioned matter, please enter the following amendments and remarks:

Amendments to claims begin on Page 2 of this Paper.

Remarks begin on Page 6 of this Paper.

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